Activity 04 - Sharing images

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Getting started

```
D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\3-building_images>docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com
to create one.
Username: 201801325
Password:
time="2021-06-14T14:30:51+08:00" level=error msg="(79a30d40) 16249f8b-CredentialHelperPKG C<-S No response POST /registry/credstore-up
dated (1.0113017s): Post \"http://ipc/registry/credstore-updated\": context deadline exceeded (Client.Timeout exceeded while awaiting
headers)][STACK]]"
time="2021-06-14T14:30:52+08:00" level=error msg="(99708fe8) 16249f8b-CredentialHelperPKG C<-S No response POST /registry/credstore-up
dated (1.0003473s): Post \"http://ipc/registry/credstore-updated\": context deadline exceeded (Client.Timeout exceeded while awaiting
headers)][STACK]]"
Login Succeeded
```

Finding images

```
D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\3-building_images>docker search kafka
NAME                              DESCRIPTION                             STARS    OFFICIAL   AUTOMATED
wurstmeister/kafka                Multi-Broker Apache Kafka Image         1376                [OK]
spotify/kafka                     A simple docker image with both Kafka and Zo…  413          [OK]
bitnami/kafka                     Apache Kafka is a distributed streaming plat…  242          [OK]
sheepkiller/kafka-manager         kafka-manager                           204                [OK]
kafkamanager/kafka-manager        Docker image for Kafka manager          124
ches/kafka                        Apache Kafka. Tagged versions. JMX. Cluster-…  117          [OK]
hlebalbau/kafka-manager           CMAK (previous known as Kafka Manager) As Do…  83           [OK]
landoop/kafka-topics-ui           UI for viewing Kafka Topics config and data …  36           [OK]
johnnypark/kafka-zookeeper        Kafka and Zookeeper combined image      23
solsson/kafka                     http://kafka.apache.org/documentation.html#q…  22           [OK]
debezium/kafka                    Kafka image required when running the Debezi…  21           [OK]
landoop/kafka-lenses-dev          Lenses with Kafka. +Connect +Generators +Con…  21           [OK]
danielqsj/kafka-exporter          Kafka exporter for Prometheus           19                 [OK]
landoop/kafka-connect-ui          Web based UI for Kafka Connect.         17                 [OK]
digitalwonderland/kafka           Latest Kafka - clusterable              15                 [OK]
tchiotludo/kafkahq                Kafka GUI to view topics, topics data, consu…  6            [OK]
solsson/kafkacat                  https://github.com/edenhill/kafkacat/pull/110  5            [OK]
solsson/kafka-manager             Deprecated in favor of solsson/kafka:cmak   5              [OK]
solsson/kafka-prometheus-jmx-exporter  For monitoring of Kubernetes Kafka clusters …  4      [OK]
mesosphere/kafka-client           Kafka client                            3                  [OK]
anchorfree/kafka                  Kafka broker and Zookeeper image        2
zenko/kafka-manager               Kafka Manger https://github.com/yahoo/kafka-…  2            [OK]
zenreach/kafka-connect            Zenreach's Kafka Connect Docker Image   2
digitsy/kafka-magic               Kafka Magic images                      2
openwhisk/kafkaprovider           Apache OpenWhisk event provider service for …  2            [OK]
```

Tagging images

```
D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\3-building_images>docker images
REPOSITORY       TAG       IMAGE ID       CREATED         SIZE
delner/ping      latest    3c4844555564   19 minutes ago  139MB
ubuntu           16.04     9ff95a467e45   3 weeks ago     135MB

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\3-building_images>docker tag ping delner/ping:1.0
Error response from daemon: No such image: ping:latest

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\3-building_images>docker tag delner/ping 201801325/ping:1.0

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\3-building_images>docker images
REPOSITORY        TAG       IMAGE ID       CREATED         SIZE
201801325/ping    1.0       3c4844555564   22 minutes ago  139MB
delner/ping       latest    3c4844555564   22 minutes ago  139MB
ubuntu            16.04     9ff95a467e45   3 weeks ago     135MB
```

Pushing images

```
D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\3-building_images>docker push 201801325/ping:1.0
The push refers to repository [docker.io/201801325/ping]
0d6ff8c8287b: Pushed
cdc4d0cd3d15: Mounted from library/ubuntu
43d05a2c9517: Mounted from library/ubuntu
1902cf049561: Mounted from library/ubuntu
9fe04650404a: Mounted from library/ubuntu
1.0: digest: sha256:5c18668614e2e272b0c4bdc1a7cdf4eaf2e4f8fb580094b86afb9e30fa055420 size: 1361
```